



# National Science Foundation

## *Rotational Vacancy*

**ANNOUNCEMENT NO:** E20020137-Rotator

**OPEN:** 07/11/2002

**CLOSE:** 09/16/2002

**Vacancy announcement may close 14 days from opening date without notice.**

**POSITIONS WILL BE FILLED ON A ONE OR TWO YEAR VISITING SCIENTIST, TEMPORARY BASIS OR INTERGOVERNMENTAL PERSONNEL ACT (IPA) BASIS.**

The National Science Foundation is seeking qualified candidates for three positions to be filled in the Division of Physics (PHY), Directorate for Mathematical and Physical Sciences (MPS), Arlington, VA. Selected candidates will be filled as Physicists (Program Director), AD-1310-4. The Division is responsible for research activities needed to advance knowledge in the areas of elementary particle physics; nuclear physics; atomic, molecular, and optical physics; and gravitational physics.

The Atomic, Molecular and Optical Physics Program is devoted to proposals dealing with the properties and interactions of particles at the atomic, molecular, and more complex aggregation levels in which the atomic characteristics dominate. The results of this research improve understanding of basic theories and develop new physical laws. (*Recruiting IPA only.*)

The Nuclear Physics Program is devoted to proposals dealing with the properties of nuclei and of nuclear matter, extending to extremes of conditions such as temperature and density; the structure and dynamics of nucleons and nuclei, and their varied excitation modes, reactions, and related interactions; the roles of mesonic and quark degrees of freedom in nuclei; and basic interactions conservation laws, and fundamental symmetries investigated at the interface between particle and nuclear physics.

The Particle and Nuclear Astrophysics Program is devoted to proposals dealing with a broad range of astrophysical phenomena ranging from nucleosynthesis to production of the highest energy cosmic rays to signatures of dark matter, and with the development of new detectors to expand the frontiers of astrophysics. Data produced can be compared with theoretical models and ideas about the nature and structure of the universe, and links to current understanding of nuclear and elementary particle physics. Support goes primarily to university groups for conduct of experimental research at specialized sites, laboratories, and observatories.

The Positions will be filled on a one or two year Visiting Scientist Appointment, Temporary Appointment or under the terms of the Intergovernmental Personnel Act (IPA). Temporary and Visiting Scientist appointments will be made under the Excepted Authority of the NSF Act. For Temporary appointments of more than one year, the usual civil service benefits (retirement, health and life insurance) are applicable. For Visiting Scientist appointments, individuals are in a non-pay leave status from the home institution and are appointed to NSF's payroll as a Federal employee. NSF withholds Social Security and provides reimbursement for fringe benefits. For IPA assignments, the individual remains on the payroll of his/her institution and the institution continues to administer pay and benefits. NSF reimburses the institution for NSF's negotiated share of the costs. Individuals eligible for an IPA assignment include employees of State and local government agencies, institutions of higher education, Indian tribal governments, federally funded research and development centers and qualified nonprofit organizations. The individual remains an employee of the home institution.

**DUTIES AND RESPONSIBILITIES:** The incumbents will be responsible for the planning and administration of the program within the framework of the legislation, agency policies, missions, objectives and resources.

- Designs and implements the proposal review and evaluation process for the program to assure quality of research and adequacy of review.
- Conducts scientific/technical analyses of proposals.
- Establishes or modifies the system for selecting ad hoc reviewers to meet Foundation objectives and program needs.
- Selects experts to serve as panel members for review of proposals, ensuring adequate representation of women, minorities, and the handicapped. Conducts programmatic review, determines funds availability, and evaluates similar or related projects.
- Serves as a primary consultant within NSF on scientific matters in the field of nuclear physics and serves as an NSF spokesperson in this field. Provides authoritative and expert advice, interacts with other scientific experts and speaks for the Division Director in coordinating the efforts of others. Works with Advisory Committees and/or panels as necessary.
- Manages/monitors grants/contracts/cooperative agreements under their purview to ensure fulfillment of commitments to NSF. Evaluates program content by review of reports, publications and/or site visits. Revises budgets and project descriptions as necessary and provide guidance to program staff and oversees management of the program.

**QUALIFICATIONS REQUIRED:** Applicants should have a Ph.D. or equivalent training in a field of physics, some administrative experience, a knowledge of the general scientific community, skill in written communication and preparation of technical reports, an ability to communicate orally, and several years of successful independent research normally expected of the academic rank of associate professor or higher. Individuals with broad perspective and good judgment are sought.

**HOW TO APPLY:** The salary range, which includes a locality pay adjustment, is from \$78,265 to \$121,967 per annum depending on qualifications and experience. Individuals interested in applying for this vacancy should submit a resume or any application of your choice to the National Science Foundation, Division of Human Resource Management, 4201 Wilson Blvd., Arlington, VA 22230, Attn: E20020137-Rotator. In addition you are asked to complete and submit the attached Applicant Survey form. Submission of this form is voluntary and will not affect your application for employment (the information is used for statistical purposes). Telephone inquiries may be referred to Maria Sutton, at (703) 292-4364. For technical information, contact Dr. John W. Lightbody at (703) 292-7378. Hearing impaired individuals may call TDD (703) 292-8044. Announcements may be accessed electronically on the World Wide Web at [www.nsf.gov/jobs](http://www.nsf.gov/jobs).

The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact listed on this vacancy announcement.

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HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION**

**NATIONAL SCIENCE FOUNDATION  
APPLICANT SURVEY**

**OMB No. 3145-0096  
Expiration: August 2002**

Vacancy Ann. #: \_\_\_\_\_

Position Status (temporary/permanent): \_\_\_\_\_

Position Title/Series/Grade: \_\_\_\_\_

**INSTRUCTIONS**

Your completion of this form will be appreciated. Submission of this Information is voluntary and it will have no effect on the processing of your application. The data collected will be used only for statistical purposes to ensure that agency personnel practices meet the requirements of Federal law. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0096. NSF estimates that each respondent should take about 3 minutes to complete this survey, including time to read the instructions. You may have comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing this burden. If so, please send them to NSF Reports Clearance Officer, Division of Administrative Services, NSF, 4201 Wilson Blvd., Arlington, VA. 22230.

**PRIVACY ACT INFORMATION**

**GENERAL** - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), December 31, 1974, for individuals completing Federal records and forms that solicit personal information.

**AUTHORITY** - Section 7201 of title 5 of the U.S. Code and Section 2000e-16 of title 42 of the U.S. Code.

**PURPOSE AND ROUTINE USES**

The information is used for research and for a Federal Equal Opportunity Recruitment Program (FEORP) to help insure that agency personnel practices meet the requirements of Federal law. Address questions concerning this form and its uses to the Privacy Act Officer, National Science Foundation, Arlington, VA 22230.

1. Today's Date: \_\_\_\_\_

2. Year of Birth: \_\_\_\_\_

3. How did you learn about the particular position for which you are applying? (Circle appropriate number.)

01 - Newspaper (specify)

10 - Federal, State or local job information center

02 - Contact with NSF Personnel Office

11 - State vocational rehabilitation agency or

(Agency Bulletin Board or other Announcement)

Veterans Administration

03 - NSF-initiated personal contact

12 - State employment office

04 - Science Magazine, or other professional journal or magazine

13 - School or college counselor or other official

(specify)

14 - Private job Information service

05 - Affirmative Action Register

15 - Private employment service

06 - Attendance at conference, meeting or job fair

16 - Friend or relative working at NSF

(specify)

17 - Friend or relative not working at NSF

07 - NSF recruitment at school or college

18 - NSF website

08 - Colleague referral

19 - Internet or other website

09 - NSF Bulletin

20 - Other (specify)

4. Please select the racial/ethnic category with which you most closely identify yourself. (Circle the appropriate letter)

A. **American Indian or Alaskan Native.** A person having origins in any of the original peoples of North America, who maintains cultural identification through tribal affiliation or community recognition.

B. **Asian or Pacific Islander.** A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes, for example, China, India, Korea, the Philippine Islands, and Samoa.

C. **Black, not of Hispanic origin.** A person having origins in any of the Black racial groups of Africa. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origins.

D. **Hispanic.** A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.

E. **White, not of Hispanic origin.** A person having origins in any of the original peoples of Europe, North Africa or the Middle East. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origin.

5. Sex (Circle the appropriate letter.) F - Female M - Male

6. Please provide Information on your disability status by circling the appropriate category below:

1. I do not have a disability; 2. Hearing impairment; 3. Vision impairment; 4. Missing extremities; 5. Partial paralysis; 6. Complete paralysis; 7.

Convulsive disorder; 8. Mental retardation; 9. Mental or emotional illness; 10. Severe distortion of limbs and/or spine; 11. I have a disability but it is not listed.

**FOR AGENCY USE**

Agency Code: \_\_\_\_\_

**AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER**